

112 Stat 1854

Financial Assistance Award

DENALI COMMISSION 510 L Street, Suite 410 Anchorage, Alaska 99501 (907) 271-1414 (phone) (907) 271-1415 (fax) www.denali.gov

Award Number	01507-04
Award Title	Mertarvik Energy Planning and Design
Performance Period	October 15, 2016 through December 31, 2019

 www.denali.gov
 Performance Period
 October 15, 2

 Authority
 CFDA Number
 Recipient Organization & Address

90.100

Alaska Energy Authority (Inc)

813 W Northern Lights Blvd Alaska Energy Authority

Denali Commission Finance
Officer Certification

Phone: 907-771-3000
Recipient DUNS # 054072608

TIN # 926001185

Cost Share Distribution Table

Accounting Code	New Fu	ınding	Prior Perio	d Funding	Total
Accounting Code	Denali Commission	Other Contributors	Denali Commission	Other Contributors	Total
95670000	(\$803,555.00)		\$1,700,145.00		\$896,590.00
	\$0.00		\$0.00		\$0.00
	\$0.00		\$0.00		\$0.00
	\$0.00		\$0.00		\$0.00
	\$0.00		\$0.00		\$0.00
State of Alaska		(\$108,533.00)		\$181,143.00	\$72,610.00
		\$0.00		\$0.00	\$0.00
		\$0.00		\$0.00	\$0.00
		\$0.00		\$0.00	\$0.00
		\$0.00		\$0.00	\$0.00
Total	(\$803,555.00)	(\$108,533.00)	\$1,700,145.00	\$181,143.00	\$969,200.00

This Financial Assistance Award approved by the Federal Co-Chair of the Denali Commission constitutes an obligation of federal funding.

This award is not for Research and Development.

Signature of Authorized Official - Denali Commission	Typed Name and Title	Date
Electronically Signed	Mr. Jay Farmwald Director of Programs	02/19/2019

AWARD ATTACHMENTS

Alaska Energy Authority (Inc)

01507-04

- 1. Terms and Conditions
- 2. Attachment A-1

Financial Assistance Award 1507 Between the Denali Commission and Alaska Energy Authority (AEA) For Mertarvik Energy Systems Development Amendment 4

24 January 2019

All changes to the award conditions are noted below.

1. Scope:

- Delete the construction of the Phase I power facility.
- Add AEA commissioning of power module in Anchorage, during construction by others.

2. Budget:

- Decrease Denali Commission funding from \$1,700,145 to \$896,590
- Decrease State of Alaska construction phase contribution from \$181,143 to \$12,610
- Add State of Alaska contribution of \$60,000 for the planning and design phase

3. Performance Period:

• Change completion date to 31 December, 2019, to accommodate commissioning activities and award closeout. Other milestone dates remain unchanged.

More detailed information related to the scope of work, budget, deliverables, methodology, and schedule are included in Attachment A-1 dated 24 January 2019.

There are no other changes to the existing Financial Assistance Award.

Financial Assistance Award 1507 Between the Denali Commission and Alaska Energy Authority (AEA) For Mertarvik Energy Systems Development Amendment 4 – Attachment A-1 24 January 2019

Scope of Work

Construction of the Phase I Modular Power Facility: Amendment No. 3 to this award included scope items for the construction of Mertarvik Phase I power systems. This amendment removes that scope of work. Subsequent to Amendment 3, a term contract for Mertarvik construction has been let and awarded by ANTHC. The intent of this term contract is to facilitate efficient Mertarvik development by consolidating prime contracting responsibility under a single entity and avoid having multiple contractors simultaneously mobilized to a small site competing for limited resources. In support of the "master builder" concept, construction of the power systems will now be accomplished using the term contract vehicle.

Power Plant Start-up and Commissioning: Newtok Village Council (NVC) has requested that AEA continue to provide operation and maintenance support to the Ungusraq Power Company after the Mertarvik power plant has been placed into operation. It is anticipated that this support will include remote monitoring and technical consultations. In order to facilitate this post construction role, it is desirable to have AEA personnel involved during the commissioning and start-up of the facilities. AEA activities will include inspections during manufacturing, factory start-up and functional testing, onsite installation and start-up observations, network integration of remote monitoring systems, and reporting. The work shall be performed in accordance with AEA standard field inspection, testing, and commissioning checklists for power generation facilities.

Deliverables

- In-factory and onsite inspection services for power generation facility
- Network integration of remote monitoring systems
- Inspection, functional testing, and start-up reports

Budget and Funding Summary

This amendment decreases State of Alaska and Denali Commission funding for the project by \$972,088 with \$803,555 of the total from the Commission and \$168,533 from SOA. All of the Commission and SOA funding removed via this amendment will be used to construct the new power plant in Mertarvik via alternate award mechanisms.

In addition to the construction budget reductions noted above, AEA made a \$60,000 contribution for design costs in excess of original estimates. Design costs exceeded estimates due to facility site changes driven by new geotechnical information; and due to changes in available funding. For example, a plan to design and construct a small temporary power module was abandoned once full funding for a permanent power generation facility was secured.

The total budget for Award 1507 after this amendment is \$969,200.

The commissioning component of this award is considered to be a construction activity. Therefore, in accordance with Commission policies it requires a 20% match of \$12,610. The match requirement is satisfied within this award via a \$12,610 contribution from the State of Alaska.

Additional budget detail is provided in the summary table on page 3 of this attachment.

Delivery Method

AEA will provide inspection, network integration, and reporting services using its own personnel. AEA will coordinate its activities with NVC's Relocation Program Manager at ANTHC, who is managing the power systems construction solicitation.

Schedule

Milestone delivery dates for power systems commissioning are as follows:

In-factory start-up and functional testing	31 March 2019
Onsite construction observations/start-up	31 August 2019
Communications/networking systems operational	30 September 2019
Award Close-out	31 December 2019

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		Notes
	\$379,430	
	\$320,570	
	\$129,000	
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		(\$912,088) Commission and SOA funds to be reallocated for Mertarvik construction via alternate vehicle
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